

SharpView Thermal Imager Catalog



FOTRIC Ti Series

Advanced SharpView Thermal Camera



Up to
640x480
IR Resolution

Up to
30mK
Thermal Sensitivity

Up to
-20°C ~ 550°C
Temperature Range

TurboFocus®
Focus System

Robust and Versatile

› TurboFocus® Intelligent Focus System

Combines thermal contrast AF, laser-assisted AF, continuous AF, touch AF, and manual focus to deliver fast, accurate, and quiet focusing. Seamlessly aligns thermal and digital images for precise analysis.



› Robust Design

- 2-meter drop impact resistance makes a truly enduring equipment;
- With an IP54 protection rating, this device is built for demanding industrial environments.
- Up to 8 hours sustainability.



2-meter drop test

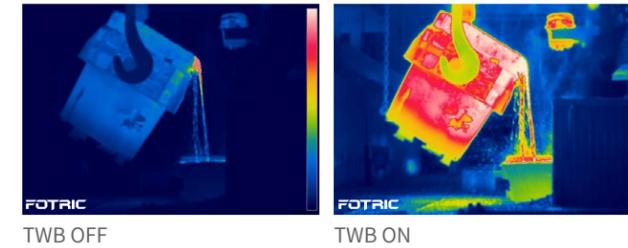
Meticulous Measurement, Impeccable Imaging

› Extraordinary Accuracy

- Maintains $\pm 2\%$ accuracy under extreme temperature and high humidity conditions.
- Sensor detects thermal fluctuation as small as 30mk.

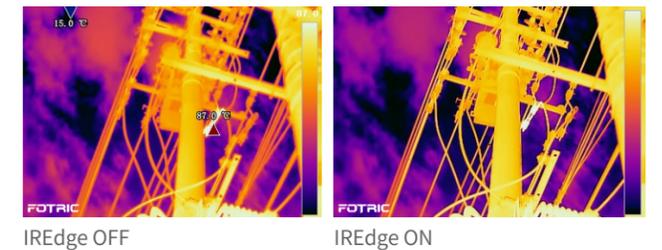
› T-TWB®

Automatically adjusts the palette ribbon based on the pixel distribution across temperature ranges, offering a clearer view of temperature distribution for more efficient inspections.



› IREdge®

Enhances object contours and edges to improve visibility and differentiation from the background.



Elevated User Experience

› Laser-assisted Measurement

Built-in high-sensitivity laser enables instant evaluation of object distance and area, facilitating cost estimation in building/house inspections.

› On-device Analysis

Support editing infrared image measurement parameters, applying and adjusting measurement tools, adding and deleting annotations post inspection.

› Ergonomic Design

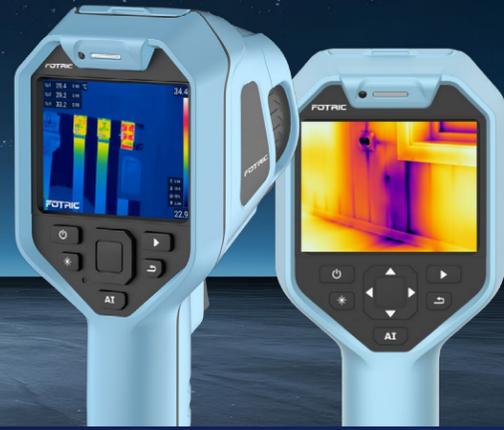
- Pistol grip design, even weight balance.
- Spacious 5 inch LCD screen.
- Equipped with 8 MP digital camera.

› Extraordinary Connectivity

The IRExplorer™ enable users to remotely access and control the camera with any device that can access web browser, including PC, laptops, and cell phones.

FOTRIC TK Series

Compact SharpView Thermal Camera



384x288
IR Resolution

40mK
Thermal Sensitivity

-20~550°C
Temperature Range

Focus free or Manual focus
Focus Mode

Accurate Temperature Measurement

Precision at your fingertips – Perfect focus for flawless temperature readings.

- Manual focus, ensures concise measurement at all distances.
- 40mk thermal sensitivity, unveil subtle flaws. No damp spot ever escapes your sight.

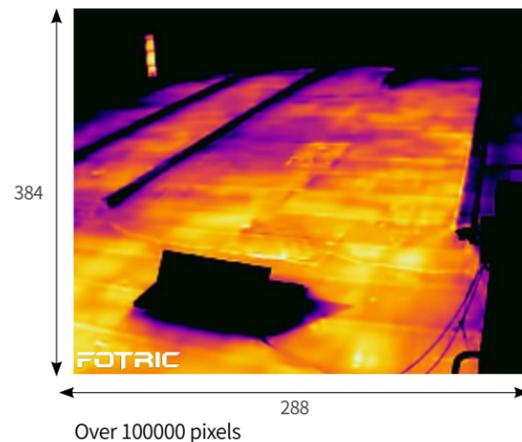


40mk thermal sensitivity reveal every anomaly

Superior Image Quality

Image quality is more about aesthetics, but directly impacts the quality of your presentation.

- 384*288 thermal pixels, presenting your findings with unprecedented clarity.
- Super resolution, boost the performance to expert level.
- T-DEF® Fusion 0~100% adjustable transparency. Select the best way present your finding.
- Touch span to highlight the anomaly against the environment.



Compact and Portable

- Responsive 3.5" LCD touch screen & fast user interface for a smooth professional experience.
- Light-weight, compact design that fits in any toolbox or overall pocket.

Robust and Intuitive Design

A perfect combination of ruggedness ingenuity.

- 8MP industrial grade digital camera, enables flawless inspection result presentation.
- Dust and water resistant (IP54), made for durability and industrial adaptability.
- Spotting moisture spot made easy with isotherm color alarm.

Unparallel Response Speed

Your thermal camera should never slow you down. It's all about user experience.

- Powered by Android, the camera flows as smoothly as your smartphone.

User-friendly Design

- AI programmable button enables instant calling of user-defined function.
- IRExplorer supports remote control and wireless data transfer across platforms.



Specifications

Model	Ti7	Ti5	TK8	TK7
Infrared Resolution	640 x 480	384 x 288	384 x 288	
Super Resolution	1280 x 960	768 x 576	768 x 576	
Remote Control Function	Yes, via IRExplorer.			
Thermal Sensitivity (NETD)	<30mK@30°C (76 °F)	<40mK@30°C (76 °F)	40mk@30° C(76 °F)	
Field of View (FOV)	44° x 33°		25° x 19°	49° x 36.8°
Focus Mode	TurboFocus® system for continuous, laser-assisted, thermal contrast AF, touch AF; Manual focus		Manual focus	Focus free
Temperature Range	-20°C ~120°C (-4~248 °F), 0°C ~550°C (32~1022 °F), Intelligent range			
Measurement Accuracy	± 2°C (3.6 °F) or ± 2 %, whichever is greater (ambient temperature at 15~35° C(59~95 °F) , target object temperature >0° C, calibration at 1 meter).			
ROIs	Spot: 12; Line: 3; Rectangle/Circle: 12.	Spot: 6; Line: 3; Rectangle/Circle: 6.	Spot: 6; Line: 2 ; Rectangle/Circle: 4.	
On-device Analysis	Support thermal image analysis and editing.			
PC Software	AnalyzeIR®			
Display Screen	5 inch touch screen		3.5 inch touch screen	
Image Mode	Thermal image, Digital Camera, Picture in Picture, and T-DEF® Blend.			
Palettes	10 standard palettes		8 standard + 8 inverted palettes	
Temp Span Mode	Auto (Minimum Temp Span 3°C (5.4 °F)), Manual (Minimum Temp Span 2°C (3.6 °F)), Touch-screen(Minimum Temp Span 2°C (3.6 °F)).			
Digital Camera	8MP industrial grade camera		8MP industrial grade camera	
Laser	Yes, as ranger and measurement tool.		Yes, as a pointer.	
Storage Memory	SD card, 64 GB		TF card, 32 GB	



Company Introduction

FOTRIC Inc. is specializing in innovative thermal and acoustic sensing solutions for a wide range of industrial safety applications. Serving over 50 countries, our expertise extends to defect detection, condition monitoring, and safety assurance in sectors like manufacturing, chemical processing, metallurgy, electric utilities, oil & gas, and building infrastructure.

From our inception, precision in measurement and superior imaging technology have been our hallmarks. As a certified high-tech enterprise, FOTRIC adheres to stringent quality standards, evidenced by our ISO: 9001, FCC, CE, and KC certifications. Our leadership in the industrial safety equipment sector is marked by a commitment to continuous innovation, integrating advanced technologies for comprehensive safety solutions.

Underpinning our global presence is a robust distributor network across North America, Europe, Latin America, Southeast Asia, and other regions. This network ensures not only reliable sales channels but also sound technical support for our worldwide customers.

Embracing the motto 'Connecting the Digital Future', FOTRIC envisions a world where industrial safety is enhanced by smart, interconnected technologies. Our goal is to evolve continually, offering precise, data-driven tools that empower professionals to make informed decisions for safeguarding lives and livelihoods in the digital era.

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